

Title (en)

A combustion system and a method for combusting fibrous biomass

Title (de)

Verbrennungsanlage und Verfahren zur Verbrennung von faseriger Biomasse

Title (fr)

Système de combustion et procédé de combustion de biomasse fibreuse

Publication

EP 2910853 A1 20150826 (EN)

Application

EP 14156185 A 20140221

Priority

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Abstract (en)

Disclosed is a combustion system (1) for combusting fibrous biomass (13). The combustion system (1) comprising a pulverised fuel fired combustion chamber (2) and milling means (3) for pulverising the fibrous biomass (13). The combustion system (1) further comprises gas flow means (4) for establishing a flow of carrier gas (12) through the milling means (3) and into the combustion chamber (2) for carrying the pulverised biomass into the combustion chamber (2) and temperature maintaining means (5) for ensuring that the temperature of the pulverised biomass and carrier gas mix (14) does not drop more than 5% from the milling means (3) and until it reaches the combustion chamber (2).

IPC 8 full level

F23G 7/10 (2006.01)

CPC (source: EP)

F23G 7/10 (2013.01); **F23G 2201/10** (2013.01); **F23G 2201/80** (2013.01); **F23G 2205/20** (2013.01); **F23G 2206/10** (2013.01); **F23G 2209/26** (2013.01)

Citation (applicant)

WO 03036169 A1 20030501 - AMBIENTECO GROUP LTD [CA], et al

Citation (search report)

- [XYI] US 2006225424 A1 20061012 - ELLIOTT GERALD R [US], et al
- [Y] GB 2448547 A 20081022 - DRAX POWER LTD [GB]

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

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